

# Work Order ID 51518

August 25, 2009 1:34:49 PM



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Item ID: D135-751-101  
Revision ID: B  
Item Name: Skidtube Extension

Accept



Setup Start



Stop



Start Date: 8/31/09 Start Qty: 2.00  
Required Date: 8/31/09 Req'd Qty: 2.00



Cust Item ID:  
Customer:

Reference:

Approvals: Process Plan: *PL*  
QC:

Date: *08-25-09* Tooling:  
Date: SPC (Y/N):

Date:  
Date:

Run Start  
Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
IIN D135-751	Rev B

100

0.00



DC

Document Control

DOCUMENT CONTROL

Memo

0.00

Photocopy bluefile & type labels per PPP D135-751-101 CHG001

*S 08/02/11*

*H for BG 09/09/11*

110

0.00



Packaging

Packaging

Pick Kit

Memo

0.00

*9/9/10 (2x) SP*

120

0.00



QC

Quality Control

QC4- 100% Inspect kits for completeness

Memo

0.00

*=> S 08/05/11*

*(2) SP*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

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Item ID: D135-751-101  
Revision ID: B  
Item Name: Skidtube Extension

Accept



Setup Start



Stop



Start Date: 8/31/09 Start Qty: 2.00  
Required Date: 8/31/09 Req'd Qty: 2.00



Cust Item ID:

Customer:

Reference:

Approvals: Process Plan:  
QC:

Date:

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Run Start



Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

130



Packaging

Packaging

Packaging

Memo

Identify and pack for shipping as per PPPD135-751-101

Location:

PPP Rev:

A

0.00

0.00

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

Memo

0.00

0.00

7/9/11 (22) JF

09/09/11 JF

MF 09-09-11

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

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Work Order ID: 51518

Parent Item: D135-751-101RevB

Parent Item Name: Skidtube Extension

Comments:

Start Date: 8/31/09

Required Date: 8/31/09

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
S 72 AN3C4A BOLT		Purchased	No			110	Each	632.0000	4.0000			

M112612 sl

Warehouse  
Location

Loc Qty

Loc Code

Main Warehouse

FP

-50

112314

-50

Main Warehouse

ST

682

112082

30

112314

652

~~112314~~

S  
72 AN3C6A  
BOLT  
see attached  
Ganzel  
w  
09/09/10

Purchased

No

110

Each

305.0000

16.0000



M111980 sl

Warehouse  
Location

Loc Qty

Loc Code

Main Warehouse

ST

305

105906

21

107376

284

S  
72 AN4C7A  
Bolt

Purchased

No

110

Each

451.0000

4.0000



919110 (2x)

Warehouse  
Location

Loc Qty

Loc Code

Main Warehouse

ST

451

109147

451

(091147)

sl

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

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Work Order ID: 51518

Parent Item: D135-751-101RevB

Parent Item Name: Skidtube Extension

Comments:

Start Date: 8/31/09

Required Date: 8/31/09

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

AN960JD10L

Purchased

No

110

Each

6,679.000

20.0000

Washer

M112116 SP

(P12) →

AN960C10L  
MB  
09/09/10

Warehouse Loc Qty Loc Code

Location

Main Warehouse

FP

-2

109632

-2

Main Warehouse

ST

6681

101291

16

104885

153

105793

236

109632

1276

110985

5000

AN960JD416L

Purchased

No

110

Each

1,013.000

4.0000

Washer

M111808 9/9/10 @ SP

AN960C416L  
MB  
09/09/10

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

1013

107008

54

108138

4

108583

42

110153

513

112492

400

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: D135-751-101 PAR #: \_\_\_\_\_ Fault Category: Prod eng coordinator NCR: Yes ☒ No ☐ DQA: / Date: 05.05.16

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR: <u>51518</u>		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
9/9/11	<u>1</u>	incorrect parts on pick sheet. R.C. <del>adjust</del> not correctly transferred from case to intuitive.	<u>/</u> BS1042	ADD correct parts. AN 960C416L Qty x 2 per kit B2 _____	<u>/</u> All READY	<u>S</u> 09/09/11	<u>/</u> BS1042	<u>S</u> 09/09/11
		<u>/</u>	<u>/</u> BS1042	AN 960C10L Qty x 10 per kit B2 _____	<u>/</u> Done see front of this page.	<u>S</u> 09/09/11	<u>/</u> BS1042	<u>S</u> 09/09/11
				Correct w/o + Bom to prevent from happening again. ADD copy of new Bom for Ref.	<u>/</u> 09/09/11	<u>S</u> 09/09/11		

NOTE: Date & initial all entries



# Picklist Print

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Work Order ID: 51518

Parent Item: D135-751-101RevB

Parent Item Name: Skidtube Extension


Comments:

Start Date: 8/31/09

Required Date: 8/31/09

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3510-041RevC  Skidtube Insert Assembly		Manufactured	No			110	Each	0.0000	2.0000			



B 51382 SQ  
9/6/10 2x

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Shop Packet Print

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**L Lacelle**

**From:** Dan Stow [dstow@dartaero.com]

**Sent:** August 28, 2009 9:13 AM

**To:** Bill Beckett (Bill Beckett); 'Mike Petsche'; Jason Murdoch; David Shepherd; 'Sian Willems'; Susanne Sheldon (Susanne Sheldon); 'Jean-Luc Menard (E-mail)'; 'L Lacelle'

**Subject:** Trial Fit 135 skid and extension

Product – D135-751-011 skidtube with D135-751-101 extension kit

Install Time –1.5 hours per skid

IIN – Accurate and clear

Kits – skidtube kit was accurate

- Extension kit contained cad plated hardware instead of the SS hardware called for on the parts list. Bolts to attach aft cap should be AN3C6A instead of the AN3C7A called for.

Comments – wearplates D3512-1 do not fit properly because the radius is too small.

**Jason** – please raise an NCR for the issues above and quarantine any D135-751-101 extension kits

Dan Stow

Technical Support

Dart Aerospace Ltd.

[dstow@dartaero.com](mailto:dstow@dartaero.com)

Tel: 613.632.5200

Cell:613.676.0992

9/10/09

## 5.0 PARTS LIST

Item	Qty -011	Qty -041	Qty -043	Qty -101	Part Number	Description
	X				D135-751-011	SKIDTUBE INSTALLATION
	1	X			D135-751-041	REPLACEMENT SKIDTUBE
			X		D135-751-043	WEARPLATE KIT
				X	D135-751-101	SKIDTUBE EXTENSION KIT
1		1			D3507-041	SKIDTUBE ASSEMBLY
2	4				**BRS8-96/48SZ-M8-W2	CLAMP
3	8				**LN9038-08032	SCREW
4		1			*D2965	CAP
5		1			*D2965-3	CAP
6		2			***AELS-1032-130	INSERT
7		2			***AELS-1032-225	INSERT
8		2			*AN3C5A	BOLT
9		2			*AN960C10L	WASHER
10		2			*AN526C1032-10	SCREW
20A		1	1		*D3508-1	WEARPLATE
20B		1	1		*D3558-1	GASKET
21A		1	1		*D3508-3	WEARPLATE
21B		1	1		*D3558-3	GASKET
22A		1	1		*D3508-5	WEARPLATE
22B		1	1		*D3558-5	GASKET
23A		1	1		*D3508-7	WEARPLATE
23B		1	1		*D3558-7	GASKET
24		38			*AELS-1032-130	INSERT
25	8	30	38		*AN3C4A	BOLT
26	8	30	38		*AN960C10L	WASHER
27	2		2		D3512-1	WEARPLATE
30		1			*AELS-1032-225	INSERT
31		1			*AN3C4A	BOLT
32		1			*AN960C10L	WASHER
40		4			*D3492-041	PLUG ASSEMBLY
41		4			***NAS1611-010	O-RING
42		2			*D3492-047	PLUG ASSEMBLY
43		2			***NAS1611-007	O-RING
44		4			*D3506-1	DOUBLER
45		8			*MS20601AD4W3	RIVET
46		2			*D3506-3	DOUBLER
47		4			*MS20601AD4W3	RIVET
48		4			*D3492-043	PLUG ASSEMBLY
49		4			***NAS1611-013	O-RING
50				1	D3510-041	INSERT ASSEMBLY
51				2	***AELS-1032-130	INSERT
52				6	***AELS-1032-225	INSERT
53				2	***ALS4-428-165	INSERT
54				2	AN4C7A	BOLT
55				2	AN960C416L	WASHER
56				2	AN3C4A	BOLT
57				8	AN3C7A	BOLT
58				10	AN960C10L	WASHER

\* PART IS INCLUDED WITH D3507-041 SKIDTUBE ASSEMBLY

\*\* TO BE SUPPLIED BY CUSTOMER, LISTED AS REFERENCE ONLY

\*\*\* DENOTES PART IS INCLUDED WITH ASSEMBLY ABOVE

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Revision: C

Date: 07.09.20

51518

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Status	Item ID	Rev	Name	Start Date	Quantity Per	UOM	Scrap %	Route Seq	IC	Sort	Date Last Mod	Add Date	Comments
	D3510-041	C	Skidtube Insert Assembly	01/01/08	1.0000	Each	0 %	110		0	08/20/09 2:2...	06/05/09	
	AN3C7A		BOLT	08/20/09	8.0000	Each	0 %	110		0	08/20/09 2:2...	08/20/09	
	AN4C7A		Bolt	01/01/08	2.0000	Each	0 %	110		0	08/20/09 2:2...	06/05/09	
	AN3C4A		BOLT	08/20/09	2.0000	Each	0 %	110		0	08/20/09 2:2...	08/20/09	
	AN960C10L		washer	09/11/09	10.0000	Each	0 %	110		0		09/11/09	
	AN960C416L		WASHER	09/11/09	2.0000	Each	0 %	110		0		09/11/09	